

STANDARD INSPECTION REPORT OF A GAS DISTRIBUTION OPERATOR RECORD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: NORTHERN ILLINOIS GAS CO.	Operator ID#: 13710
Inspection Date(s): 1/29/2013, 1/30/2013, 1/31/2013	Man Days: 3
Inspection Unit: Carthage	
Location of Audit: Carthage	
Exit Meeting Contact: David Schoof	
Inspection Type: Standard Inspection - Record Audit	
Pipeline Safety Representative(s): Kevin Ketchum	
Company Representative to Receive Report: Leticia Quezada	
Company Representative's Email Address: lquezad@aglresources.com	

Headquarters Address Information:	P. O. Box 190 Rt. 59 & I-88 Aurora, IL 60507 Emergency Phone#: Fax#:	
Official or Mayor's Name:	Ralph Cleveland Phone#: (000) 000-0000 Email:	
Inspection Contact(s)	Title	Phone No.
David Schoof	Area Supervisor	(217) 357-3105

Gas System Operations		Status
<u>Category Comment:</u>		
These records will be checked during the Sycamore record audit.		
Gas Transporter		Not Checked
Annual Report (Form 7100.1-1) reviewed for the year:		Not Checked
Unaccounted for Gas		Not Checked
Number of Services		Not Checked
Miles of Main		Not Checked
Is the operator maintaining documentation verifying their Maximum Allowable Operating Pressure(s)? (MAOP)		Not Checked

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Operating Pressure (Feeder)	Not Checked	
Operating Pressure (Town)	Not Checked	
Operating Pressure (Other)	Not Checked	
MAOP (Feeder)	Not Checked	
MAOP (Town)	Not Checked	
MAOP (Other)	Not Checked	
Does the operator have any transmission pipelines?	Yes	
Regulatory Reporting Records	Status	
<u>Category Comment:</u> <i>These records will be checked during the Sycamore record audit.</i>		
191.5	Were Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	Not Checked
191.9(a)	Was a DOT Incident Report Form F7100.1 submitted within 30 days after detection of an incident?	Not Checked
191.9(b)	Were any supplemental incident reports submitted when deemed necessary?	Not Checked
Did the operator have any plastic pipe failures in the past calendar year?		Not Checked
Did the operator take action to mitigate safety concerns relating to the failure of the PE or pipeline components?		Not Checked
191.23(a)	Did the operator report Safety Related Conditions?	Not Checked
191.25	Did the Operator file a Safety Related Condition Report within 5 working days of determination, but not later than 10 working days after discovery?	Not Checked
192.16(c)	Customer Notification: Has the operator notified each new customer within 90 days about the customer's responsibility regarding buried piping, however, operators of a master meter may continuously post a general notice in a permanent location?	Not Checked
DRUG TESTING		Status
Refer to Drug and Alcohol Inspection Forms and Protocols		Not Checked
<u>General Comment:</u> <i>These records are in the Naperville office and will be checked at a later date.</i>		
TEST REQUIREMENTS		Status
192.517(a)	Are pressure test records being maintained for piping operating above 100 psig?	Not Checked
<u>General Comment:</u> <i>These records will be checked during the Sycamore record audit.</i>		

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192.517(b)	Are pressure test records being maintained for at least 5 years on piping operating below 100 psig?	Satisfactory
192.603(b)	Were service lines temporarily disconnected from the main properly tested prior to reconnection?	Not Checked
<u>General Comment:</u>		
Reinstating service lines records will be checked during the Sycamore Audit.		
UPRATING		Status
<u>Category Comment:</u>		
Carthage did not conduct any uprating activities in 2012.		
192.555	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of 30% or more SMYS?	Not Applicable
192.557	Has the operator maintained documentation of uprating activities when uprating a pipe to a pressure that will produce a hoop stress of less than 30% SMYS?	Not Applicable
OPERATIONS		Status
<u>Category Comment:</u>		
The operations and maintenance manual records are in Naperville and will be checked at a later date. A review of personnel work of the O & M procedures will be checked in Naperville.		
192.603(b)	Has the operator conducted a review of the Operations and Maintenance Manual once per yr/15 months?	Not Checked
Has the operator conducted a review of the Operator Qualification Plan once per yr/15 months?		Not Checked
192.603(b)	Are construction records, maps, and operating history available to operating personnel?	Not Checked
192.603(b)	Has the operator periodically reviewed personnel's work to determine the effectiveness of normal O&M procedures when deficiencies are found?	Not Checked
CONTINUING SURVEILLANCE RECORDS		Status
<u>Category Comment:</u>		
These records will be checked in the Naperville office.		
192.603(b)	Has the operator reviewed continuing surveillance records for class location changes, failures, leak history, corrosion, changes in cathodic protection, and other unusual operating and maintenance conditions?	Not Checked
192.491	Does the operator have records verifying if exposed cast iron was examined for evidence of graphitization and if necessary what appropriate action was taken concerning graphitization?	Not Checked
192.603(b)	Does the operator have surveillance records of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak history, or any other unusual operating and maintenance	Not Checked

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	conditions?	
192.603(b)	Is each cast iron caulked bell and spigot joint that is subject to a pressure of more than 25 (psig.) sealed as required?	Not Checked
192.603(b)	Is each cast iron caulked bell and spigot joint that is subject to a pressure of 25 (psig.) or less and is exposed for any reason sealed as required?	Not Checked
QUALIFICATION OF PIPELINE PERSONNEL		Status
<u>Category Comment:</u> <i>These records will be checked during the Sycamore record audit.</i>		
Refer to operator Qualification Inspection Forms and Protocols		Not Checked
DAMAGE PREVENTION RECORDS		Status
<u>Category Comment:</u> <i>These records will be checked during the Sycamore record audit.</i>		
192.603(b)	Did the operator track the number of damages per 1000 locate requests for the previous years?	Not Checked
Has the number of damages increased or decreased from prior year?		Not Checked
192.603(b)	Does the operator track records of accidents due to excavation damage to ensure causes of failures are addressed to minimize the recurrence?	Not Checked
192.603(b)	Does the operator provide documentation pertaining to notification of excavation, marking, positive response, and the availability and use of the one call system?	Not Checked
Does the operator have a Quality Assurance Program in place for monitoring the locating and marking of facilities?		Not Checked
Do pipeline operators include performance measures in facility locating contracts?		Not Checked
IL ADM. CO.265.100(b)(1)	Was third party damage to mains involving a release of gas reported to ICC JULIE Enforcement? http://www.icc.illinois.gov/julie/	Not Checked
Has the Operator adopted applicable section of the Common Ground Alliance Best Practices?		Not Checked
If no, were Common Ground Alliance Best Practices discussed with Operator?		Not Checked
EMERGENCY PLANS		Status
<u>Category Comment:</u> <i>Training of operating personnel records are in Naperville as are records of employee activities after emergency. Response times will be checked in the Sycamore office.</i>		
192.603(b)	Are supervisors, responsible for emergency action, furnished copies of the latest edition of the Emergency Plan?	Not Checked
192.603(b)	Has the operator maintained documentation that the appropriate operating personnel have received training to assure they are knowledgeable of emergency procedures and that the training was effective?	Not Checked

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192.603(b)	Has the operator maintained documentation of employee activity reviews to determine whether the procedures were effectively followed in each emergency?	Not Checked
192.603(b)	Has the operator maintained documentation that the operator established and maintained liaison with appropriate fire, police and other public officials?	Not Checked
192.603(b)	Did the review of emergency response time intervals regarding odor/leak complaint documentation indicate adequate emergency response intervals were achieved?	Not Checked
PUBLIC AWARENESS PROGRAM - RECORDS		Status
<u>Category Comment:</u> <i>These records are kept in the Naperville office and will be checked at a later date.</i>		
Refer to Public Awareness Program Inspection Forms and Protocols		Not Checked
ODORIZATION OF GAS		Status
192.603(b)	Has the operator maintained documentation of odorant concentration level testing using an instrument?	Not Checked
<u>General Comment:</u> <i>Odorization records will be checked during the Sycamore audit.</i>		
192.603(b)	Has the operator maintained documentation of odorizer tank levels?	Not Checked
<u>General Comment:</u> <i>Odorization records will be checked during the Sycamore audit.</i>		
192.603(b)	Are master meter operators receiving written verification of odorant concentration levels from their gas supplier?	Not Applicable
<u>General Comment:</u> <i>Nicor is not a master meter operator.</i>		
192.603(b)	Has the master meter operator maintained documentation of sniff tests performed as required by this section?	Not Applicable
<u>General Comment:</u> <i>Nicor is not a master meter operator.</i>		
PATROLLING & LEAKAGE SURVEY		Status
<u>Category Comment:</u> <i>These records will be checked during the Sycamore audit.</i>		
192.603(b)	Is the operator patrolling business districts at a minimum of 4 per year/4 1/2 months?	Not Checked
192.603(b)	Is the operator patrolling outside business districts at a minimum of 2 per	Not Checked

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	year/7 1/2 months?	
192.603(b)	Is the operator performing leakage surveys in business districts at a minimum of 1 per year/ 15 months? If the operator has inside meter sets that meet this criterion then were those surveyed?	Not Checked
192.603(b)	Is the operator performing leakage surveys outside a business district at a minimum of every 5 years/63 months? Is the operator performing leakage surveys on cathodically unprotected pipelines at a minimum of every 3 years/39 months? If the operator has inside meter sets that meet this criterion then were those surveyed? If the operator has yard lines then are those being surveyed?	Not Checked
YARD LINES - RESIDENTIAL		Status
<u>Category Comment:</u> <i>These records will be checked during the Sycamore Audit.</i>		
220 ILCS 2.2.03	Has the operator designated and documented the location of all services where the meter is located more than 3 feet away from the wall of a residence?	Not Checked
192.463,220 ILCS 2.2.03	Has the operator determined if cathodic protection is required on these services?	Not Checked
192.723(b)(1),192.723(b)(2)	After the determination of the cathodic protection requirements, has the operator surveyed each line within the required leakage survey intervals?	Not Checked
ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		Status
<u>Category Comment:</u> <i>These records will be checked during the Sycamore Audit.</i>		
192.603(b)	Did the operator maintain documentation demonstrating that each pipeline abandoned in place was disconnected from all sources and supplies of gas, and purged of gas?	Not Checked
192.603(b)	Did the operator maintain documentation demonstrating that each inactive pipeline that is not being maintained under this part was disconnected from all sources and supplies of gas; purged of gas?	Not Checked
192.603(b)	Did the operator maintain documentation demonstrating that whenever service to a customer was discontinued access to gas was either; locked, prevented by a mechanical fitting, or disconnected from the gas supply and open pipe ends sealed?	Not Checked
192.603(b)	Did the operator maintain documentation when air was used for purging that a combustible mixture was not present after purging?	Not Checked
192.727(g)	Did the operator maintain documentation for each abandoned onshore pipeline facility that crosses over, under or through a commercially navigable waterway?	Not Checked
PRESSURE LIMITING AND REGULATION		Status

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192.603(b)	Is the operator inspecting and testing the pressure limiting and regulating stations at a minimum of 1 per year/15 months?	Satisfactory
192.603(b)	Is the operator inspecting pressure limiting and regulating stations for adequate capacity at a minimum of 1 per year/15 months?	Satisfactory
192.603(b)	If the operator used calculations to determine sufficient capacity, were the calculation reviews documented at a minimum of 1 per year/15 months?	Satisfactory
192.603(b)	Is each distribution system supplied by more than one district pressure regulating station, or where required by the operator on a system supplied by a single regulating station, equipped with telemetering or recording pressure gauges to indicate the gas pressure in the district?	Satisfactory
192.603(b)	If there were indications of abnormally high- or low-pressure, were actions taken to correct any unsatisfactory operating conditions?	Satisfactory
192.603(b)	Is overpressure protection provided by the supplier pipeline downstream of the take point?	No
<u>General Comment:</u>		
<i>The operator has schedule with NPL, Inc to install a relief device at the take point later this year.</i>		
192.603(b)	If Yes, does the operator have documentation to verify that these devices have adequate capacity?	Not Applicable
<u>General Comment:</u>		
<i>The operator has schedule with NPL, Inc to install a relief device at the take point later this year.</i>		
VALVE MAINTENANCE		Status
192.603(b)	Did the operator inspect and maintain distribution valves necessary for the safe operation of the system at a minimum of 1 per year/15 months?	Satisfactory
<u>General Comment:</u>		
<i>Staff reviewed the operator's valve inspection records for 2012.</i>		
192.603(b)	Did the operator inspect and maintain vaults > 200 cubic feet at a minimum of 1 per year/15 months?	Not Applicable
<u>General Comment:</u>		
<i>Carthage system does not contain vaults.</i>		
Investigation Of Failures		Status
192.603(b)	Did the operator experience accidents or failures requiring analysis?	Not Applicable
<u>General Comment:</u>		
<i>Carthage did not encounter any failures requiring analysis in 2012.</i>		
WELDING OF STEEL PIPE		Status
<u>Category Comment:</u>		

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These records will be checked in the Elgin and Naperville offices.

192.603(b)	Does the operator have documentation for their qualified welding procedure?	Not Checked
192.603(b)	Does the operator have documentation of welder qualification documentation as required?	Not Checked
192.709	Does the operator have documentation of NDT personnel qualification as required?	Not Checked
192.709	Does the operator have documentation of NDT testing performed?	Not Checked

JOINING OF MATERIAL OTHER THAN WELDING

Status

Category Comment:

These records will be checked in the Elgin and Naperville offices.

192.603(b)	Are persons making joints with plastic pipe qualified?	Not Checked
192.603(b)	Are persons inspecting plastic pipe joints qualified?	Not Checked
192.603(b)	Are qualified joining procedures for plastic pipe in place?	Not Checked

CORROSION CONTROL RECORDS

Status

Category Comment:

Annual pipe to soil monitoring, isolated services and short sections of main, rectifier monitoring, bonds critical and non critical, internal corrosion inspections, atmospheric corrosion monitoring will all be checked during the Sycamore Audit.

192.491(a)	Has the operator maintained maps or records of cathodically protected piping, cathodic protection facilities, galvanic anodes, and neighboring structures bonded to the cathodic protection system?	Not Checked
192.491	Has the operator maintained documentation of an examination when buried pipe was exposed?	Not Checked
192.491	Has the operator maintained documentation of annual pipe-to-soil monitoring performed at a minimum of 1 per yr/15 months and/or isolated services or short sections of main less than 100 feet at a minimum of 10% annually?	Not Checked
192.491	Has the operator maintained documentation of rectifier or other impressed current power sources inspections at a minimum of 6 per year/ 2 1/2 months?	Not Checked
192.491	Has the operator maintained documentation of each critical interference bond, reverse current switch, diode, etc. inspections at a minimum of 6 per year/ 2 1/2 months and/or non-critical interference bond inspections at a minimum of 1 per year/15 months?	Not Checked
192.491	Has the operator taken prompt remedial actions to correct any deficiencies indicated by the monitoring?	Not Checked
192.491	Has the operator maintained documentation of unprotected pipeline surveys, inspections, or tests at a minimum of 3 years/39 months?	Not Checked
192.491	Has the operator maintained documentation of inspections or tests for electrical isolation at casings?	Not Checked

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192.491	Does the operator have a sufficient number of test stations or other contact points for electrical measurement to determine the adequacy of cathodic protection?	Not Checked
192.491	Has the operator maintained documentation of corrective actions taken when a test lead is no longer electrically conductive?	Not Checked
192.491	Has the operator maintained documentation of inspections or tests to assure their cathodic protection system is not affecting adjacent underground metallic structures?	Not Checked
192.491	Has the operator maintained documentation of investigations or steps taken to minimize internal corrosion due to transportation of corrosive gas?	Not Checked
192.491	Has the operator maintained documentation of internal surface inspections performed when pipe is removed for any reason?	Not Checked
192.491	Has the operator maintained documentation of internal corrosion coupon monitoring at a minimum of 2 per year/ 7 1/2 months?	Not Checked
192.491	Has the operator maintained documentation of atmospheric corrosion control monitoring at a minimum of 1 per 3 years/ 39 months?	Not Checked
192.491	Has the operator maintained documentation of corrective action where atmospheric corrosion was discovered?	Not Checked
192.491	Has the operator maintained documentation demonstrating that pipe removed due to external corrosion has been repaired or replaced with pipe that was coated and cathodically protected?	Not Checked
TRAINING - 83 IL ADM. CODE 520		Status
520.10(a) (1)	Has the operator maintained documentation demonstrating that personnel have received adequate training?	Not Checked
<u>General Comment:</u> <i>Training records will be checked in the Naperville office.</i>		
520.10(a) (2)	Do training records include verbal instruction and/or on the job training for each job classification?	Not Checked
<u>General Comment:</u> <i>Training records will be checked in the Naperville office.</i>		
520.10(b)	Has the municipal operator maintained documentation demonstrating that personnel have received adequate training?	Not Applicable
<u>General Comment:</u> <i>Nicor is not a municipal operator.</i>		
520.10(a)(5)	Are procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Not Checked
<u>General Comment:</u> <i>Training records will be checked in the Naperville office.</i>		

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